

CLAIMS

1. Automating system for mobile screens (1), characterised in that it comprises:
 - at least one mobile screen (2);
 - movement guiding means for said mobile screen (2);
 - compressing means for a fluid, said fluid providing a moving thrust of said mobile screen (2);
 - channelling and controlling means for said fluid;
 - internal magnetic elements placed inside said guiding means; and
 - external magnetic elements (3) placed outside said guiding means, and connected to said mobile screen (2) and cooperating with said internal magnetic elements for moving said screen (2).
2. System (1) according to claim 1, characterised in that it further comprises an handle bar (4).
3. System (1) according to claim 1, characterised in that said at least one mobile screen (2) is able to slide.
4. System (1) according to claim 1, characterised in that said at least one mobile screen (2) is able to be wound.
5. System (1) according to claim 1, characterised in that said at least one mobile screen (2) can be collected as a package.
6. System (1) according to claim 1, characterised in that said at least one mobile screen (2) is a dimming screen or a sun screen or a thermal screen or a curtain or a mosquito net.
7. System (1) according to claim 1, characterised in that said guiding means are at least one tube (5), said tube (5) being made of a paramagnetic material.

8. System (1) according to claim 7, characterised in that said at least one tube (5) contains at least one of said internal magnetic elements.

9. System (1) according to claim 7 or 8, characterised in that said internal magnetic elements are adapted to slide internally to said tube (5).

10. System (1) according to claims 7 to 9, characterised in that said external magnetic elements (3) are adapted to slide on an external surface of said tube (5).

11. System (1) according to claims 7 to 10, characterised in that said tube (5) has at least one of said external magnetic elements (3) that slides onto said external surface.

12. System (1) according to claim 1, characterised in that at least one end of one side of said mobile screen is constrained to at least one of said external magnetic elements (3).

13. System (1) according to claim 2, characterised in that said at least one side of said mobile screen (2) is constrained to said handle bar (4).

14. System (1) according to claim 2, characterised in that each one of two opposite ends of said handle bar (4) is constrained to at least one of said external magnetic elements (3).

15. System (1) according to claim 1, characterised in that said internal magnetic elements are equipped with a first device made of ferromagnetic material adapted to address the magnetic flows generated by said internal magnetic elements.

16. System (1) according to claim 1, characterised in that said external magnetic elements (3) are equipped with a second device made of ferromagnetic material

adapted to address the magnetic flows generated by said external magnetic elements (3).

17. System (1) according to claims 15 or 16, characterised in that said first and second device made of ferromagnetic material are adapted to allow concatenating said magnetic flows generated by said internal magnetic element and said magnetic flows generated by said external magnetic element (3).

18. System (1) according to claim 7, characterised in that said tube (5) is divided into a first chamber and a second chamber by said at least one internal magnetic element.

19. System (1) according to claim 1, characterised in that said channelling and controlling means comprise a plurality of ducts, a plurality of valves and a plurality of holding means of said fluid.

20. System (1) according to claim 18, characterised in that said fluid compressing means and said fluid channelling and controlling means are adapted to generate a pressure differential between said first chamber and said second chamber.

21. System (1) according to claim 7, characterised in that it is further equipped with a position sensor adapted to determine a position of said screen (2) with respect to said at least one tube (5).

22. System (1) according to claim 1, characterised in that it is further equipped with a diffuser of said fluid adapted to address a flow of said fluid towards a surface of said mobile screen (2).

23. System (1) according to claim 1, characterised in that said fluid is a gas, air or a liquid.